



2121  
Attorney Docket No.

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Date: 03/13/02

By: Melody J. Ahmey

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**IN RE APPLICATION OF: WILSON ET AL.**

**APPLICATION NO.: 09/849,505**

**FILED: May 4, 2001**

**FOR: TUNING ELECTRODES USED IN A  
REACTOR FOR  
ELECTROCHEMICALLY  
PROCESSING A  
MICROELECTRONIC WORKPIECES**

**ART UNIT: 2121**

**CONFIRMATION NO.: 8691**

**RECEIVED**

**MAR 22 2002**

*Technology Center 2100*

**Information Disclosure Statement Within Three Months of  
Application Filing or Before First Action – 37 CFR 1.97(b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**1. Timing of Submission**

This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 CFR 1.97(b)]. The references and related application listed on the enclosed Form PTO/SB/08A (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

**2. Cited Information**

Copies of the following references and related application are enclosed:

All cited references  
 References marked by asterisks  
 The following:

Copies of the following references can be found in parent application Ser. No.   
 All cited references  
 References marked by asterisks

**RECEIVED**  
**APR 04 2002**  
**TC 1700**

**RECEIVED**  
**MAR 26 2002**  
**TC 1700**

The following: International Search Report from International Application No. PCT/US01/17024

The following references are not in English. For each such reference, the undersigned has enclosed (i) a translation of the reference; (ii) a copy of a communication from a foreign patent office or International Searching Authority citing the reference, (iii) a copy of a reference which appears to be an English-language counterpart, or (iv) an English-language abstract for the reference prepared by a third party. Applicant has not verified that the translation, English-language counterpart or third-party abstract is an accurate representation of the teachings of the non-English reference, though, and reserves the right to demonstrate otherwise.

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All-cited references  
 References marked by ampersands  
 The following:

3. Effect of Information Disclosure Statement (37 CFR 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

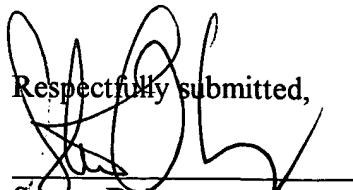
4. Fee Payment

No fees are believed due. However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0665.

5. Patent Term Adjustment (37 CFR 1.704(d))

The undersigned states that each item of information submitted herewith was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this statement. 37 C.F.R. § 1.704(d).

Date: 03/13/02

Respectfully submitted,  
  
Steven D. Lawrenz  
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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p> <p><i>O P E R A T I O N S C E N T E R T E C H N O L O G Y C E N T E R</i> MAR 21 2002</p>				<b>COMPLETE IF KNOWN</b>		
				Application Number	09/849,505	<i>RECEIVED MAR 22 2002 Technology Center 2100</i>
				Confirmation Number	8691	
				Filing Date	May 4, 2001	
				First Named Inventor	Gregory J. Wilson	
				Group Art Unit	2121	
				Examiner Name	Unknown	
1	of	1	Attorney Docket No.	291958157US1		

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIALS*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
AA	4,648,944			George et al.	03/10/87	
AB	4,902,398			Homstad	02/20/90	
AC	4,949,671			Davis et al.	08/21/90	
AD	4,988,533			Freeman et al.	01/29/91	
AE	5,135,636			Yee et al.	08/04/92	
AF	5,138,973			Davis et al.	08/18/92	
AG	5,684,713			Asada et al.	11/04/97	
AH	5,754,842			Minagawa	05/19/98	
AI	5,989,397			Laube et al.	11/23/99	
AJ	5,999,886			Martin et al.	12/07/99	
AK	6,028,986			Song	02/22/00	
AL	6,151,532			Barone et al.	11/21/00	
AM	6,162,488			Gevelber et al.	12/19/00	
AN	6,199,301 B1			Wallace	03/13/01	

**FOREIGN PATENT DOCUMENTS**

*EXAMINER INITIALS*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

*EXAMINER INITIALS*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
AO	RITTER et al., "Two- And Three- Dimensional Numerical Modeling of Copper Electroplating For Advanced ULSI Metallization", E-MRS Conference, Symposium M, <i>Basic Models to Enhance Reliability</i> , Strasbourg (France), 1999		

EXAMINER	DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).